

FIG. 1

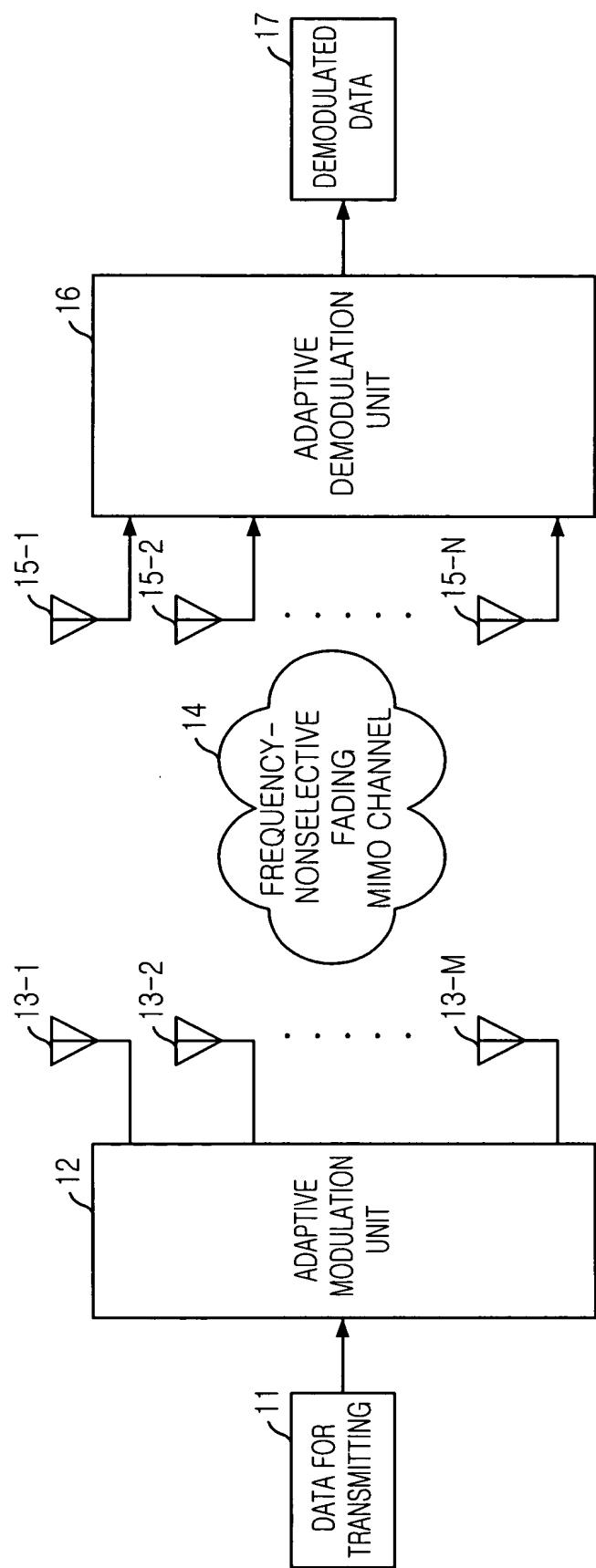


FIG. 2

$$H = \begin{bmatrix} 1.2 & 0.5 & 1.5 \\ 1.5 & 1.0 & 0.4 \\ 1.3 & 0.2 & 1.2 \end{bmatrix}$$

## ORDER FOR V-BLAST

	FIRST LAYER	SECOND LAYER	THIRD LAYER	
$\ w_k\ ^2$	0.941	3.925	X	
<b>SECOND LAYER NULLING</b>				
$\ w_k\ ^2$	X	0.775	X	
<b>FINAL EQUIVALENT CHANNEL GAIN</b>				
$1/\ w_k\ ^2$	1.063	1.290	0.462	

## RANDOM ORDER

	FIRST LAYER	SECOND LAYER	THIRD LAYER	
$\ w_k\ ^2$	4.789	7.941	2.163	
<b>THIRD LAYER NULLING</b>				
$\ w_k\ ^2$	X	1.269	0.425	
<b>SECOND LAYER NULLING</b>				
$\ w_k\ ^2$	X	X	0.260	
<b>FINAL EQUIVALENT CHANNEL GAIN</b>				
$1/\ w_k\ ^2$	0.209	0.788	3.846	

## REVERSE ORDER FOR V-BLAST

	FIRST LAYER	SECOND LAYER	THIRD LAYER	
$\ w_k\ ^2$	4.789	7.941	2.163	
<b>SECOND LAYER NULLING</b>				
$\ w_k\ ^2$	X	1.269	0.425	
<b>THIRD LAYER NULLING</b>				
$\ w_k\ ^2$	X	X	0.260	
<b>FINAL EQUIVALENT CHANNEL GAIN</b>				
$1/\ w_k\ ^2$	5.405	0.126	0.935	

FIG. 3

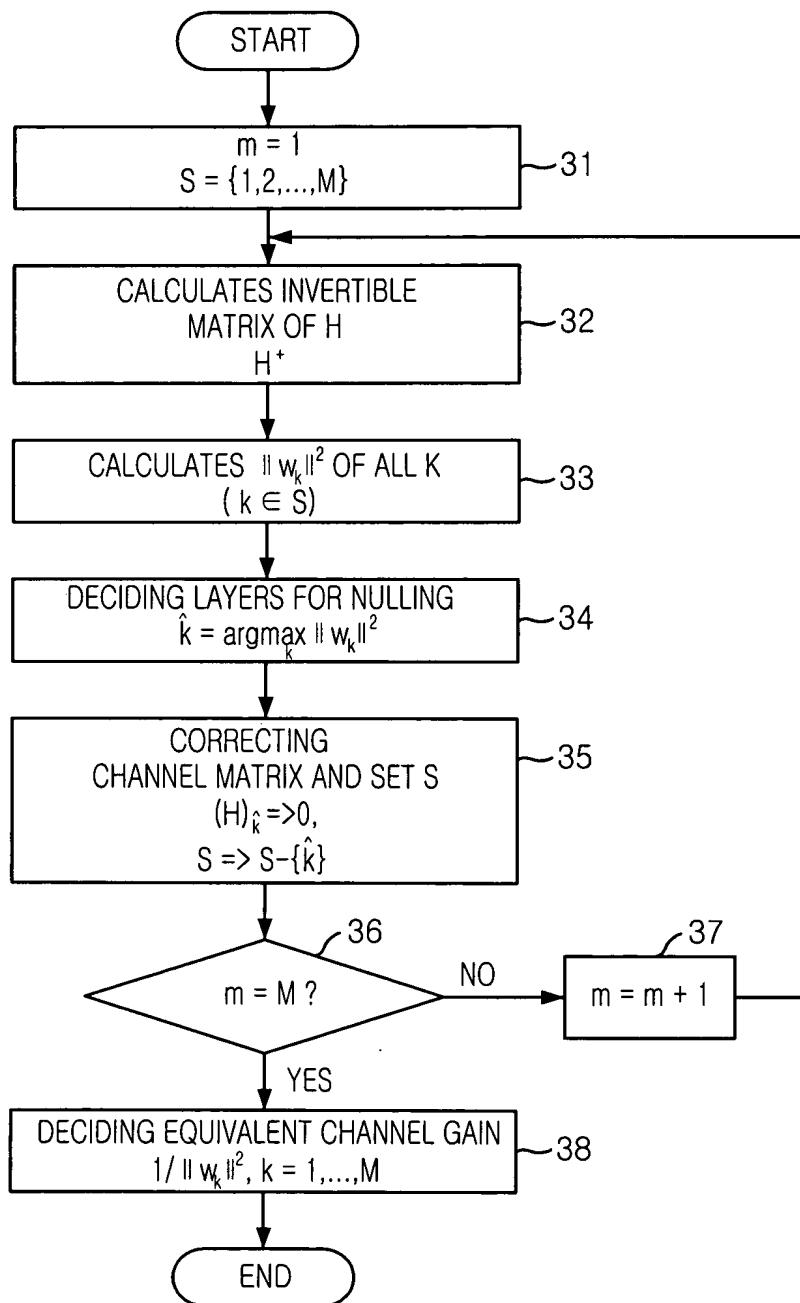


FIG. 4

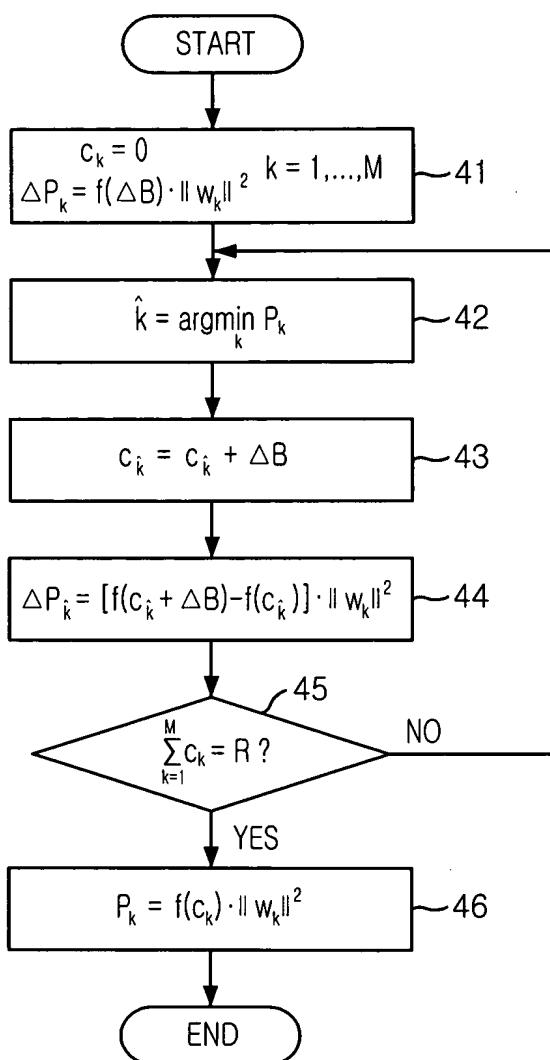


FIG. 5

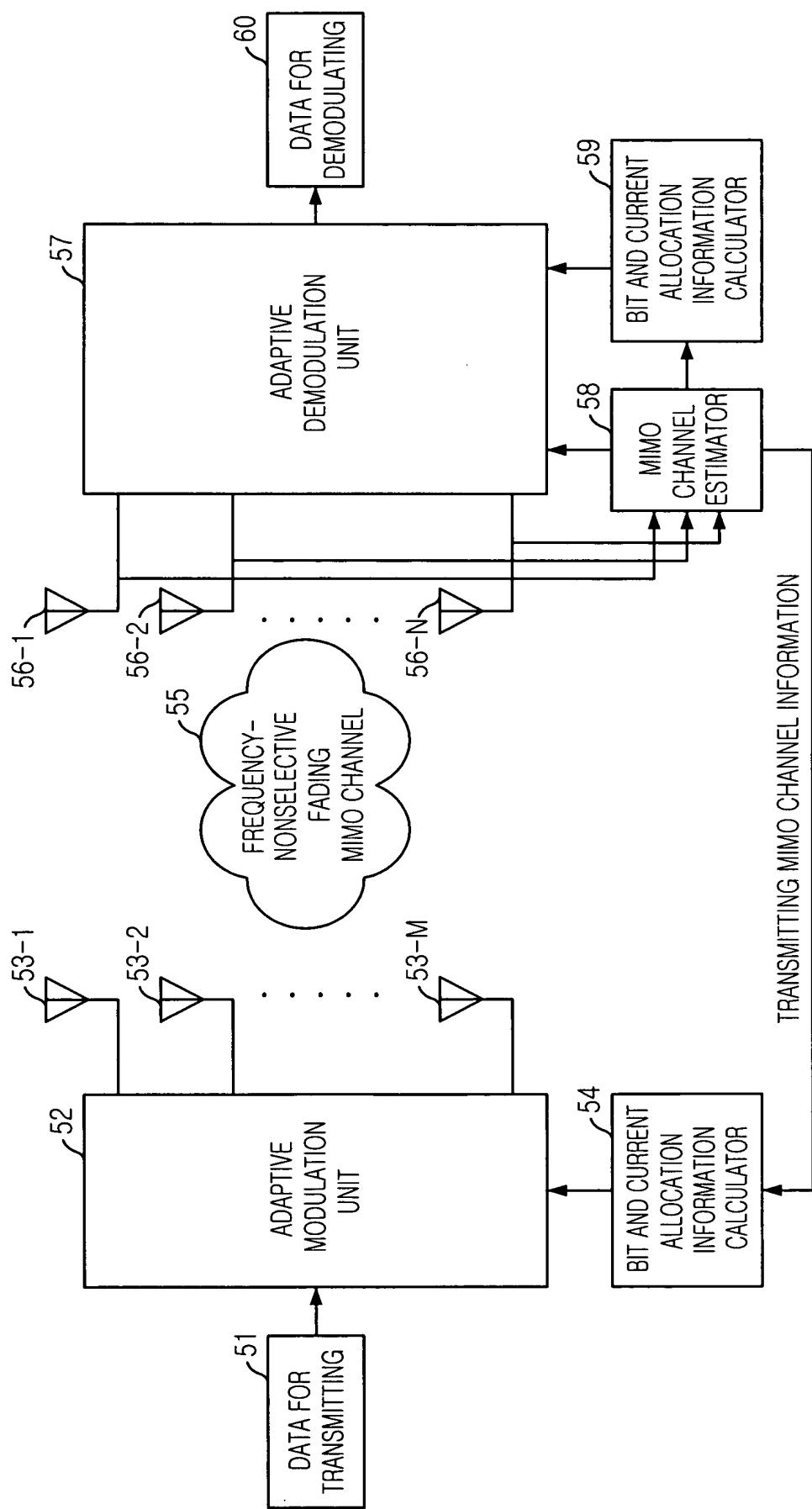


FIG. 6

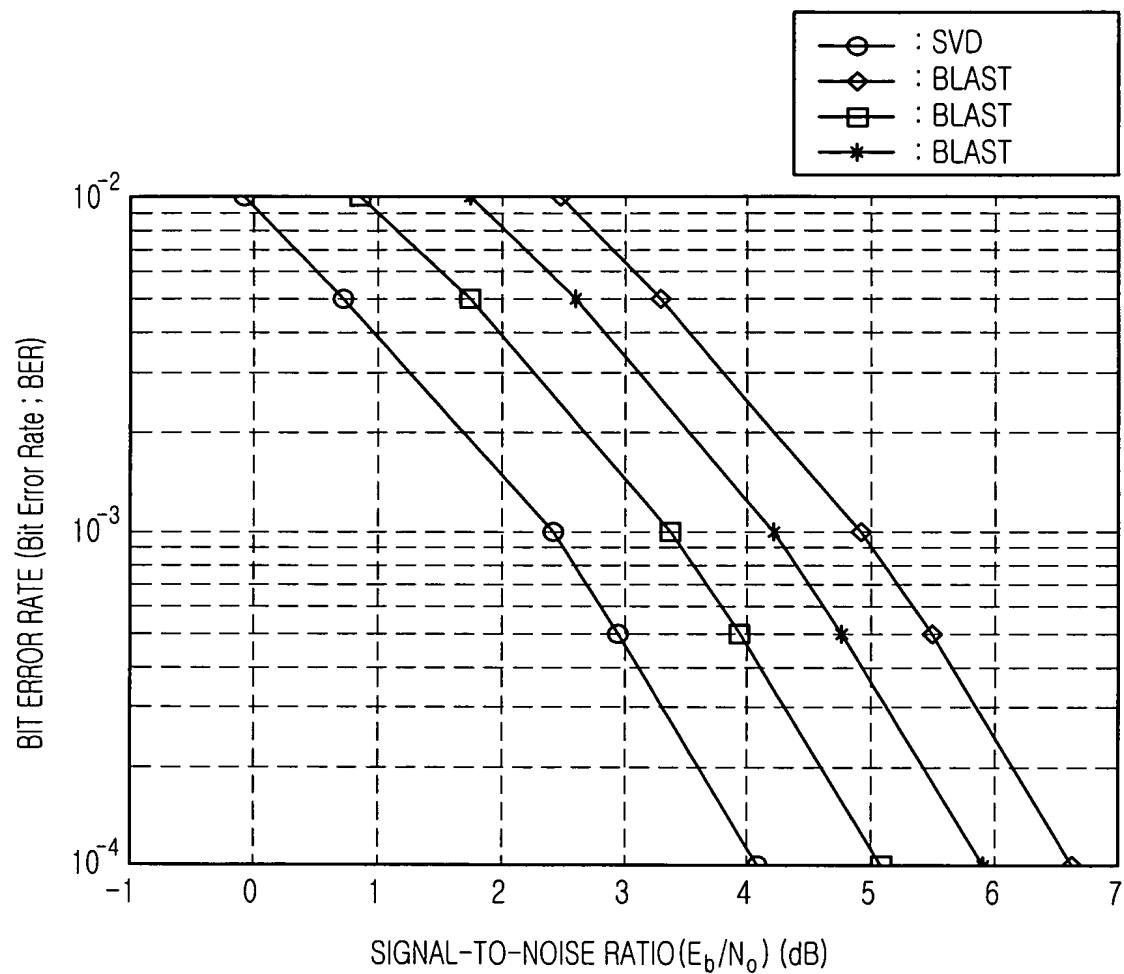


FIG. 7

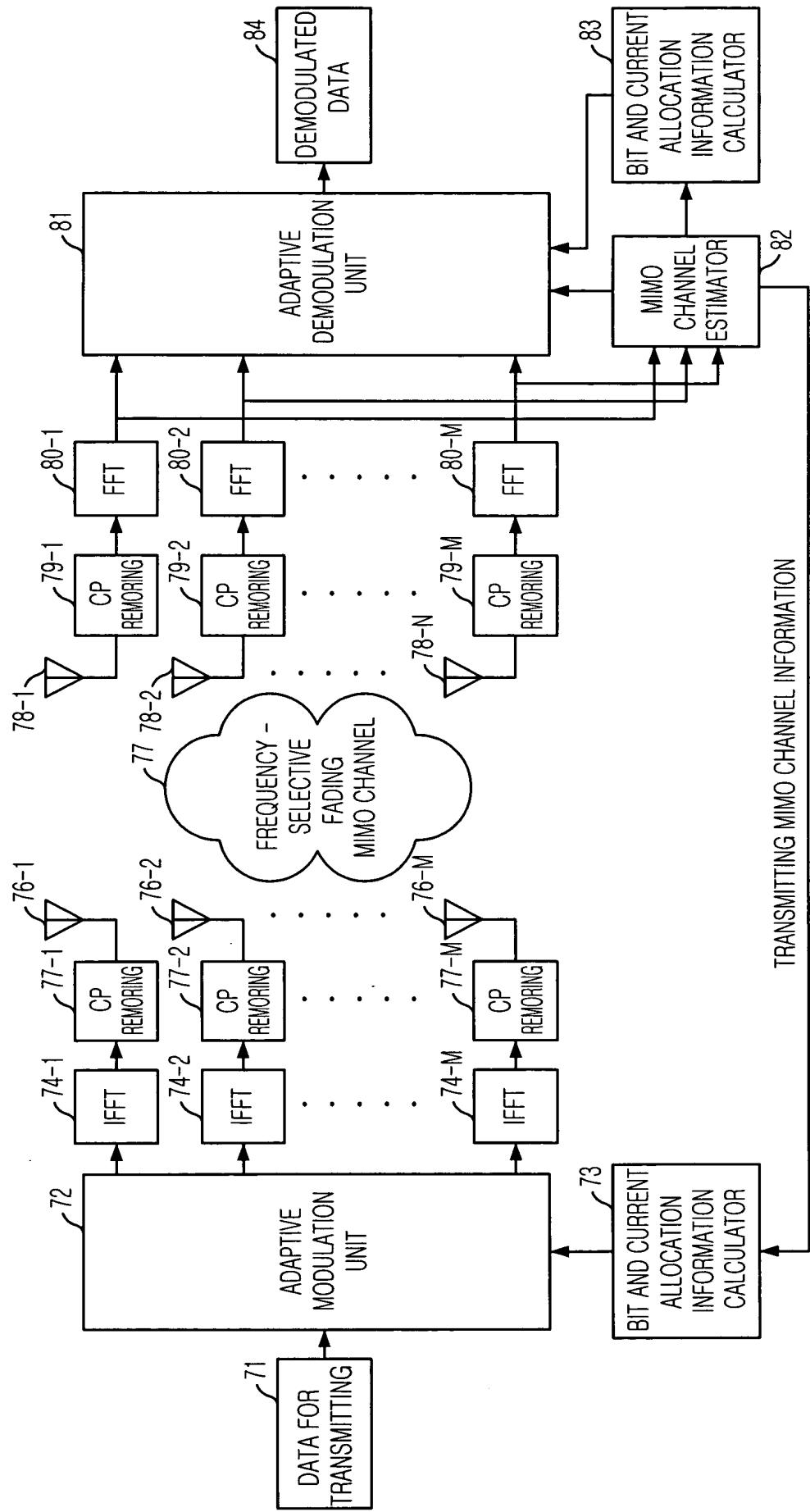


FIG. 8

